

Message Text

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14

ACTION ARA-10

INFO OCT-01 ISO-00 FEA-01 ERDA-07 AID-05 CEA-01 CIAE-00

CIEP-02 COME-00 DODE-00 EB-07 FPC-01 H-02 INR-07

INT-05 L-03 NSAE-00 NSC-05 OMB-01 PM-04 USIA-15

SAM-01 OES-06 SP-02 SS-15 STR-04 TRSE-00 ACDA-10 /115 W

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R 021800Z JUL 76

FM AMEMBASSY MEXICO

TO SECSTATE WASHDC 5940

UNCLAS MEXICO 8542

E. O. 11652: N/A

TAGS: ENRG, TECH, MX

SUBJECT: ERDA PARTICIPATION IN US-MEXICO S&T MEETING

REF: A. STATE 163791 B. MEXICO 0219 C. MEXICO 2260

D. MEXICO 3324

1. REF A REQUESTS INFORMATION ON MEXICAN ENERGY PROGRAMS, INCLUDING SOLAR PROGRAM, AS WELL AS GEOTHERMAL PROGRAM IN MEXICO TO ENABLE ERDA'S PROGRAMATIC PEOPLE ASSESS POSSIBLE AREAS OF MUTUAL INTEREST.

2. REF B SUMMARIZES GENERAL ENERGY PROGRAM IN MEXICO. REF C SUMMARIZES NUCLEAR PROGRAM. REF D SUMMARIZES SOLAR PROGRAM. GEOTHERMAL PROGRAM HAS BEEN REVIEWED IN GREAT DETAIL BY WITHERSPOON, LBL; AND JIM BRESEE AND OTHER ERDA PROGRAMATIC PEOPLE ARE NOT ONLY FULLY AWARE OF PROGRAM BUT HAVE ALREADY BEEN NEGOTIATING WITH CFE FOR COOPERATION IN AREAS OF MUTUAL INTEREST.

3. CERRO PRIETO GEOTHERMAL POWER STATION IS OF PARTICULAR INTEREST TO BRESEE ET AL. IT IS OPERATING AND SUPPLYING 75MW POWER TO NEARBY CITY OF MEXICALI. 22 WELLS HAVE BEEN DUG, 12 OF WHICH ARE IN USE. AVERAGE DEPTH 1200 METERS.

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AVERAGE PRESSURE OF WATER IS 1000 PSI. CERRO PRIETO COVERS

3 BY 6 KM AREA- ALL OF WHICH HAS NOT PRESSURIZED WATER UNDERGROUND. SALT CONTENT OF WATER IS 30 THOUSAND PPM BUT MOST SERIOUS PROBLEM IS DUE TO SILICA CLOGGING LINES AND FILTERS. CFE CONSIDERING OPENING UP NEW ADJACENT AREA WITH GREATER POTENTIAL WHERE WELLS WILL BE 3000 METERS DEEP. THIS SHOULD PERMIT DOUBLING OF POWER OUTPUT. CFE ALSO EXPECTS EVENTUALLY PRODUCE DESALTED WATER AS BY-PRODUCT.

4. IN VIEW OF VERY SHORT DURATION VANDERRYN STAY-2 WORKING DAYS- DURING WHICH TIME JOINT S&T MEETING WILL BE TAKING PLACE, IT WOULD NOT BE FEASIBLE FOR HIM TO VISIT MEXICAN ENERGY FACILITIES. WERE TIME AVAILABLE, ERDA SCIREP WOULD SUGGEST VISITING GEOTHERMAL PLANT NEAR MEXICALI, 25 KW SOLAR PUMP AT SAN LUIS DE LA PAZ, NUCLEAR RESEARCH CENTER AT SALAZAR, LAGUNA VERDE NUCLEAR POWER SITE IN VERACRUZ STATE, SMALL SOLAR STILLs AND PUMPS THROUGHOUT MEXICO, ETC.

5. SINGLE ROOM HOTEL MARIA ISABEL RESERVED FOR VANDERRYN JULY 18-20.
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Message Attributes

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